Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/04/2018 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124872	-1	1.75	124660	1.71
Blue	F	SSC	125000	123479	-2	3.70	124060	3.40
Blue	E	FITC	23158	22590	-3	2.85	1046	11.05
Blue	D	PE	31171	30456	-3	2.40	1155	10.55
Blue	B	PerCP-Cy5-5	59762	58487	-3	4.20	1477	18.50
Blue	A	PE-Cy7	57533	56659	-2	6.61	740	39.48
Red	C	APC	69353	68529	-2	2.64	3490	9.43
Red	A	APC-Cy7	66644	65017	-3	3.67	1156	11.29
Violet	B	V450	16327	15953	-3	3.41	865	9.11
Violet	A	V500	62036	60917	-2	3.01	2863	6.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22545	3.84	613	-3	N/A	N/A	Pass
Blue	F	SSC	56804	1.51	561	3	N/A	N/A	Pass
Blue	E	FITC	116	43.39	555	0	0.0196	260	Pass
Blue	D	PE	194	38.96	557	0	0.1363	233	Pass
Blue	B	PerCP-Cy5-5	239	49.13	649	0	0.0082	95	Pass
Blue	A	PE-Cy7	130	101.53	708	-1	0.0100	22	Pass
Red	C	APC	502	24.89	605	-5	0.0178	0	Pass
Red	A	APC-Cy7	248	27.35	579	-8	0.0043	1100	Pass
Violet	B	V450	106	43.68	485	-7	0.0408	2067	Pass
Violet	A	V500	255	20.94	504	-7	0.0121	303	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.10	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	18.09	13.60 - 20.40	N/A	N/A	30.85	31.39	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11633

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments